



USACE Introduction

POD Orientation

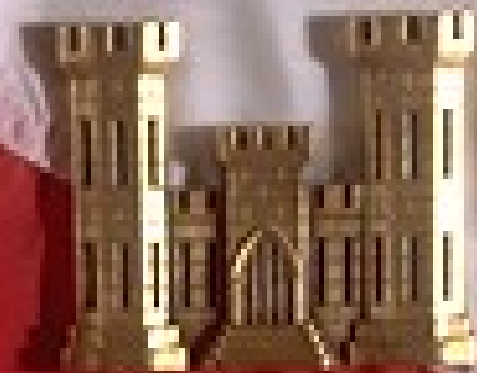
POH Presentation



The background of the slide is a close-up, slightly blurred image of the American flag, showing the stars and stripes in a draped manner.

The U.S. Army Corps of Engineers

Relevant, ready, Responsive, Reliable



***Command Brief as of
January 2009***



The Engineer Regiment



The “Corps” of Engineers

Combat Engineers



Directorates of Public Works



The World of the Chief of Engineers



Three Roles

Chief of Engineers



ARSTAF Engineer



Commander, USACE





USACE Mission



Global War on Terror (GWOT)

Military Programs

- force
- Global Positioning
- BRAC 05
- Field Force Engineering
- MILCON
- Transformation
- Environmental restoration

Real Estate

- DOD Recruiting facilities
- Contingency operations
- Acquire, manage and dispose



Homeland Security



- Critical Infrastructure Protection
- Anti-Terrorism
- Intelligence
- Facility Security Partnership

Interagency Support

- Federal
- State
- Local
- International



Research &

- Warfighter
- Installations
- Environment
- Water Resources



Civil Works

- Navigation, Hydropower
- Flood control, Shore Protection
- Water Supply, Regulatory
- Recreation, Disaster response





USACE Authorities



- **Statutes establishing the Duties of the Chief of Engineers** (not inclusive).
 - CoE is designated as the **Chief of the Engineer Branch** under Title 10 U.S.C., Sec 3036.
 - **Military construction** shall be carried out under the direction and supervision of the SecArmy, acting through the CoE under Title 10 U.S.C., Sec 2851.
 - **Navigation and flood control** projects must be executed under the direction of the SecArmy and supervision of the CoE, unless specified otherwise by law, codified under Title 33, U.S.C, sec 540 & 701b.
 - **CW emergency authorities** permit the CoE to expend funds in support of preparation for and in support of flood fighting, rescue operations, flood control, repair and restoration of flood protection, emergency dredging, and provide emergency supplies of clean water under PL 84-99
 - **Plans, proposals, reports** of the CoE for any works of



USACE Vision Statement



The U. S. Army Corps of Engineers - One Team: Relevant, Ready, Responsive and Reliable, proudly serving the Armed Forces and the Nation now and in the future.

A full-spectrum Engineer Force of high quality Civilians and Soldiers, working with our partners to deliver innovative and effective solutions to the Nation's engineering challenges:

- **An Army Values-Based Organization**
- **Focused on the Mission and Those We Serve**
- **Dedicated to Public Service**
- **A Vital Part of the Army**



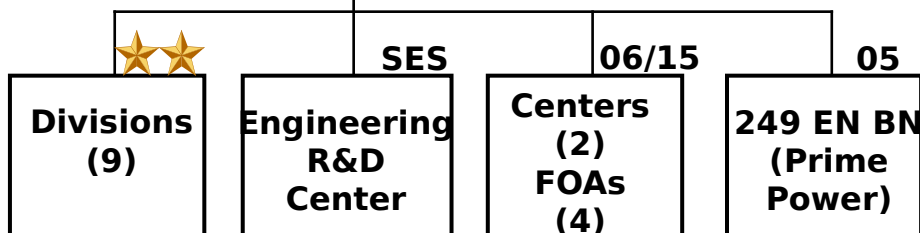
What is USACE?



USACE Organization



HQUSACE

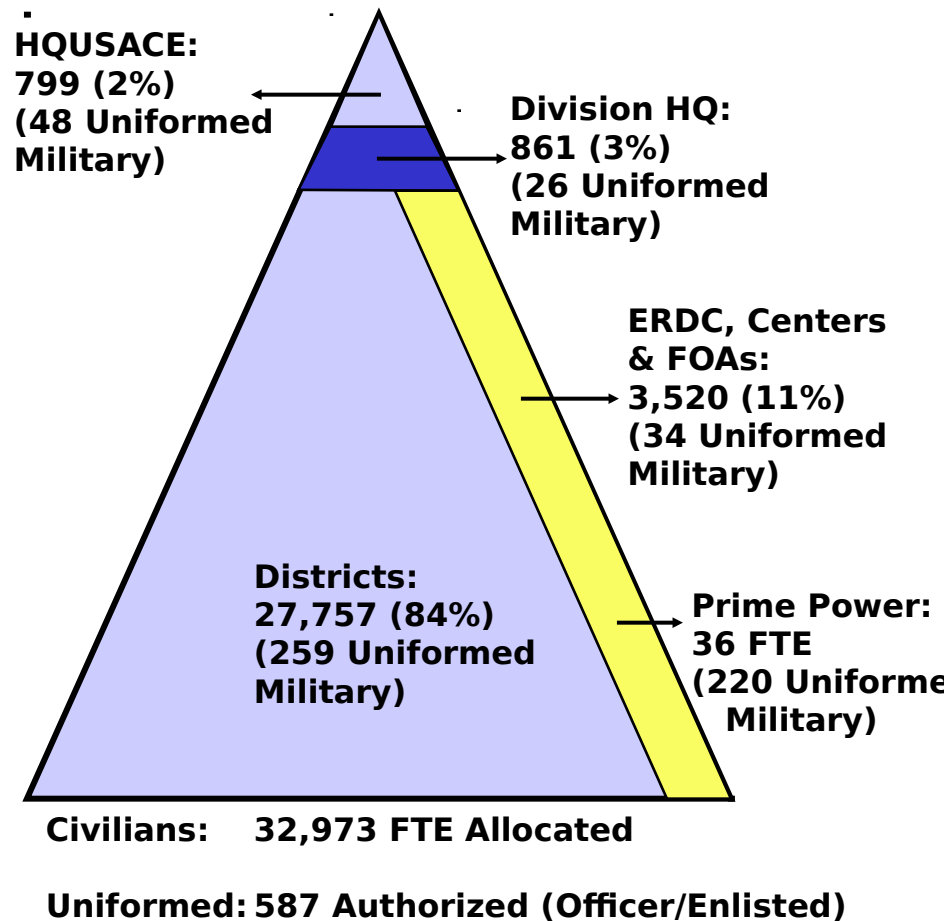


Districts (45)

Military* (31) **MILCON (26)** **Civil Works (38)** **Real Estate (33)** **OCONUS (9)**

Centers of Expertise **Area Resident Project Offices** **Material Test Labs**

Distribution Civilian FTE/Uniformed End Strength (ES)

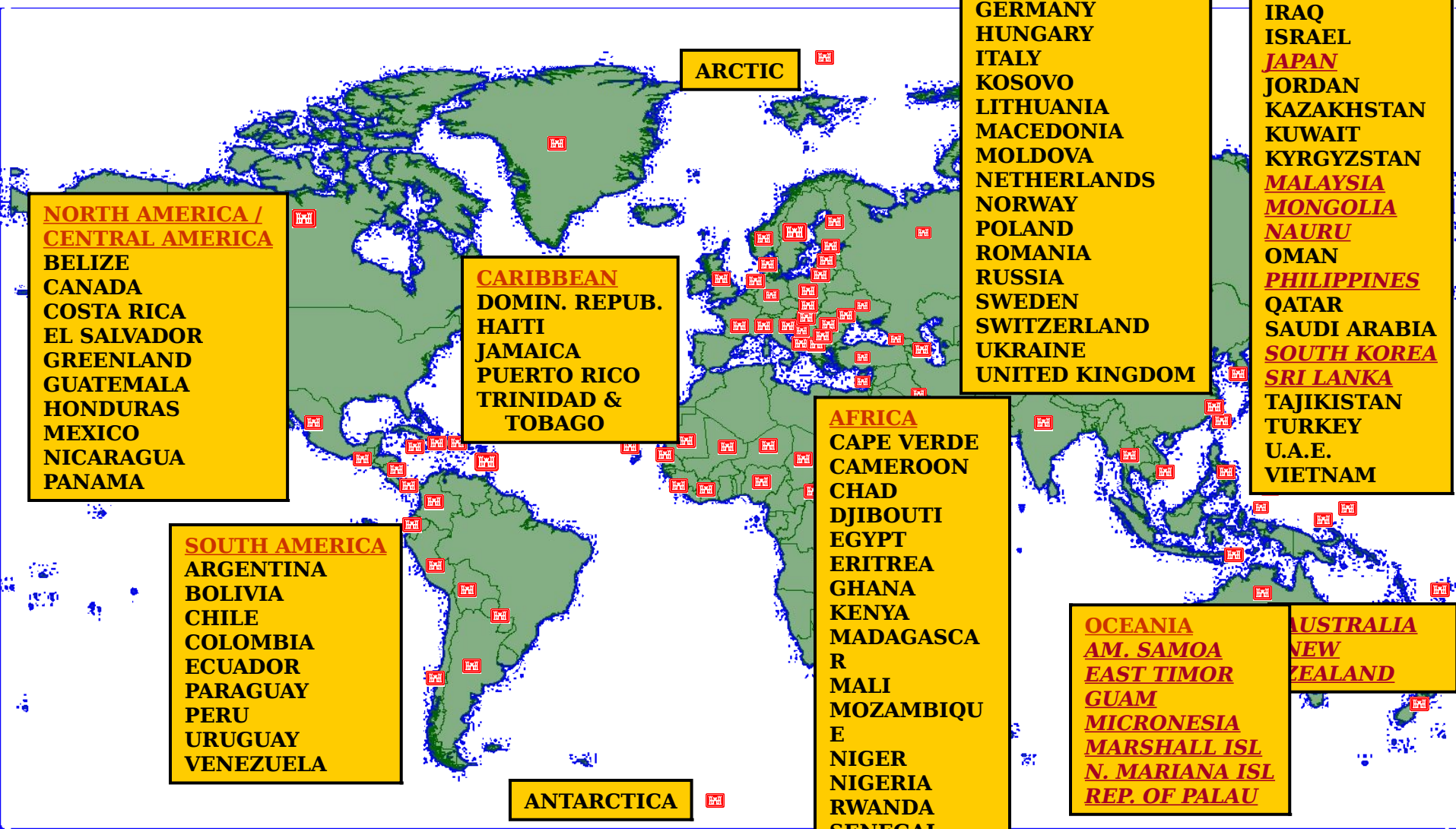




US Army Corps of Engineers

Global Engagement

Countries Supported: 91+

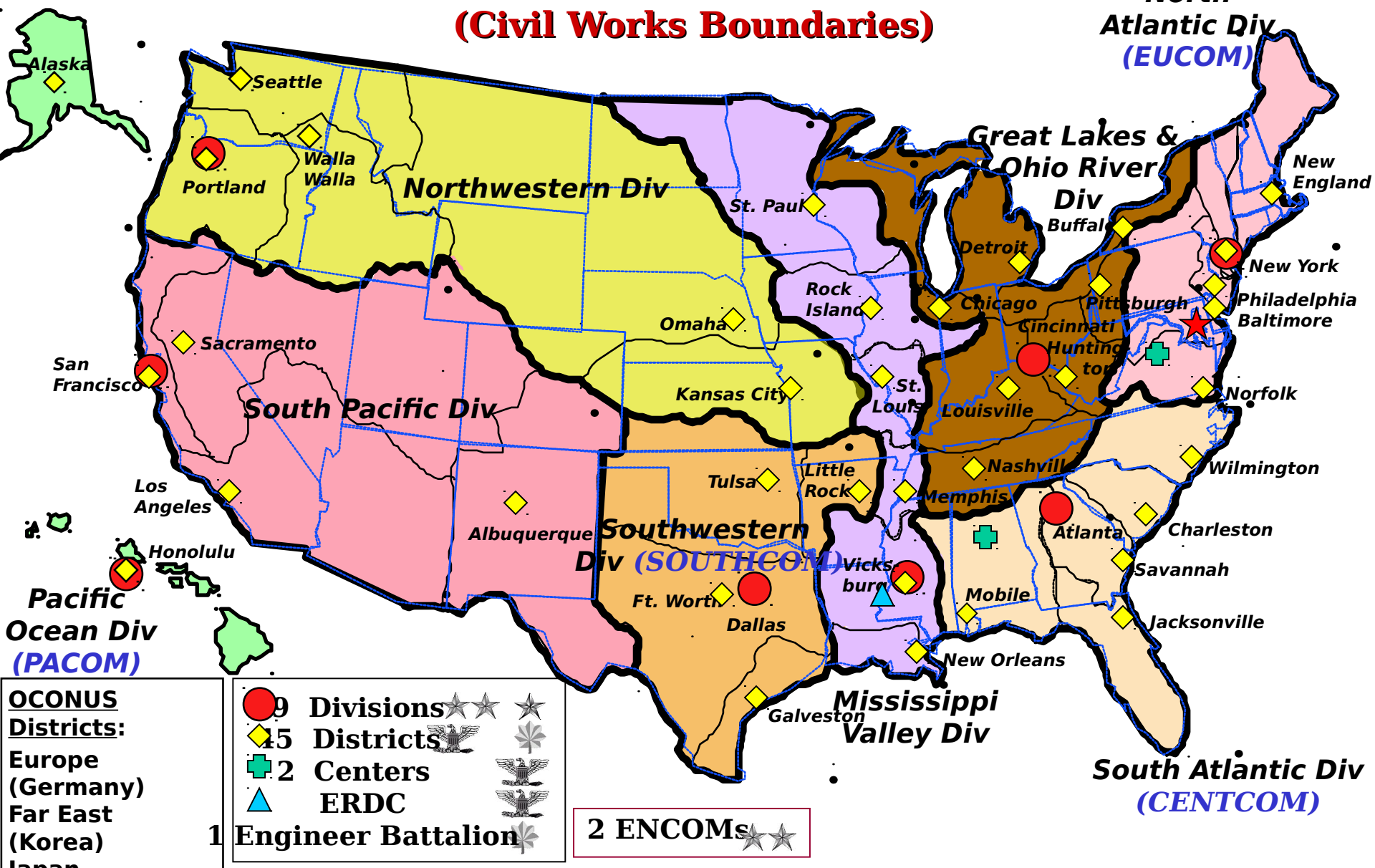




USACE Terrain Walk

MACOM Overview

(Civil Works Boundaries)





Support to the Army and Nation

Civil Works Value to the Nation



**Recreation
areas
376 M
Visitors/yr
Generate \$15
B in economic
activity,
500,000 jobs
400 miles of
Shore protection
Destination for
75% of U.S.
Vacations**



**1/4 of
Nation's
Hydropower:
\$500 M +
in power
sales**



**11,000 miles of
Commercial
Inland
Waterways:
1/2 the cost of rail
1/10 the cost of
trucks**

**299 Deep Draft
Harbors**



**627 Shallow
Draft Harbors**

**8500 Miles of
Levees**



**Emergency
Operations**



**Stewardship of
11.7 Million
Acres
Public Lands**



**Environmental
Restoration**



**Regulatory
Responsibilities**

**• US Ports & Waterways convey > 2B Tons
Commerce**



Support to the Army and Nation

Major Military Programs



**In-theater
Support to
War Fighters**



**Chemical
Demilitarization**



**Environmental,
Hazardous/Toxic
Waste cleanup**



**249th Prime
Power Bn.**



**Formerly Used
Defense Sites
(FUDS) cleanup**



**181 Army
Installations**



**Anti-Terrorism &
Force Protection**



**Presence in 91
Other Nations**



**71 Air Force
Installations**

**Support to
DC Schools**

**Support to 60
Non-DOD Federal
Agencies**



**Radiological
Site cleanup**



Support to the Army and the Nation



Engineer Research and Development Center

- * 1948 Employees
- * 1059 Scientists & Engineers
- * 438 Master's Degrees
- * 301 Doctorate Degrees
- * \$1.2 Billion in Research Facilities & Equipment
- * \$708 Million Annual Program



Cold Regions Research Engineering

Hanover, NH



Construction Engineering Research

Champaign, IL



Topographic Engineering Center

Alexandria, VA



**Coastal and Hydraulics
Environmental
Geotechnical and Structures
Information Technology**

Vicksburg, MS





Support to the Army and the Nation



Centers of Expertise



- * USACE maintains 13 centers of expertise at various districts
- * Purpose is to consolidate technical expertise in critical areas and ensure consistency of design
- * USACE also maintains experts



Support to the Army and the Nation

Homeland Security



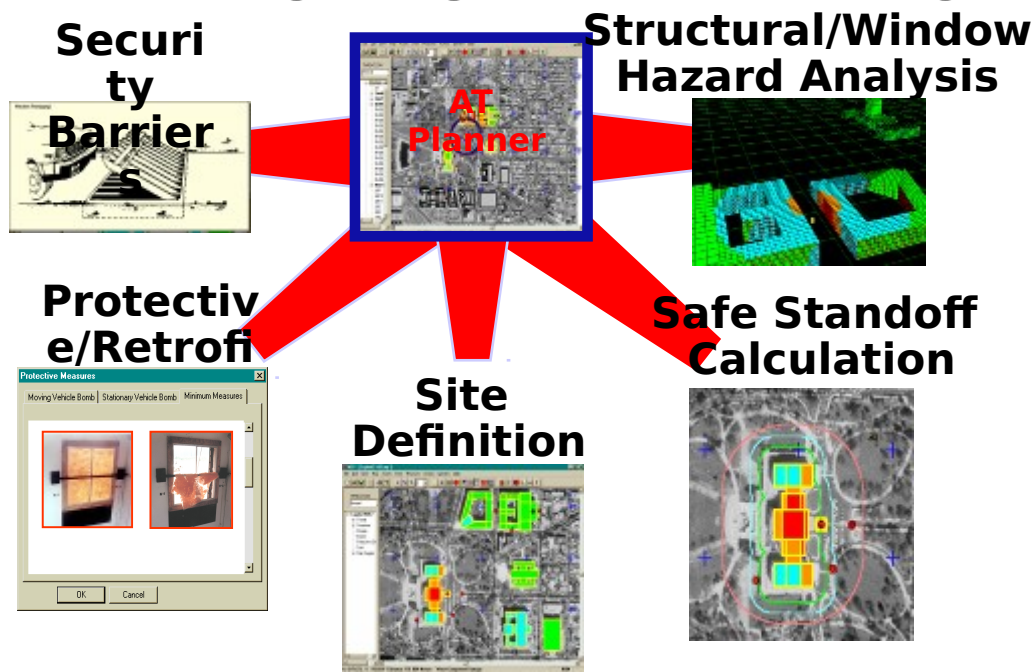
Critical Infrastructure Protection



ms

The Infrastructure Security Partnership

Leading Edge AT/FP Design



Centers of Expertise





Support to the Army and the Nation



Federal Emergency Management Agency



**Deployable
Tactical
Operations**



**Potable Water and
Ice**



**Structural
Safety**



**Temporary
Housing**



**Debris
Removal**

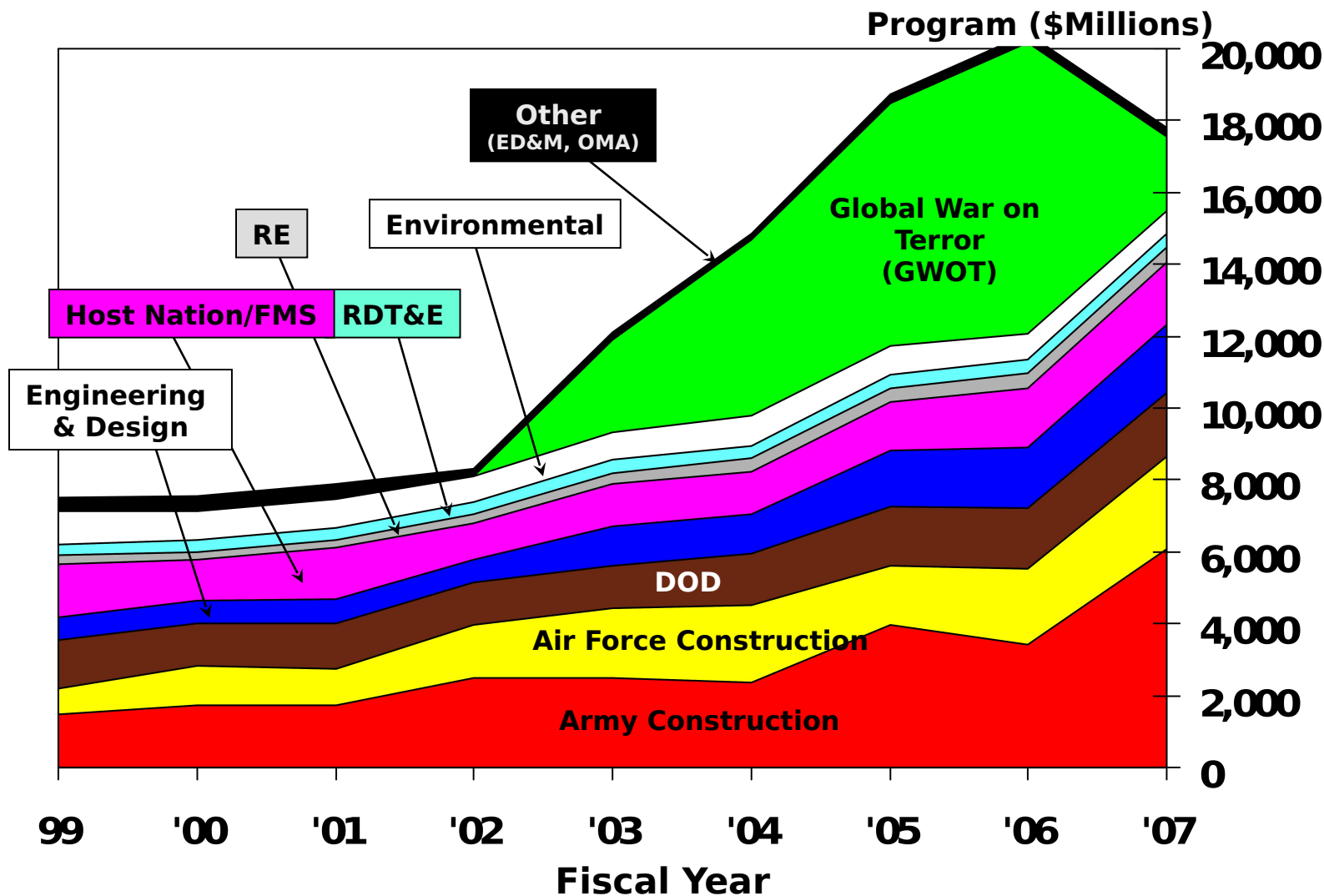


**Emergency
Power**



Military Functions Program Trends

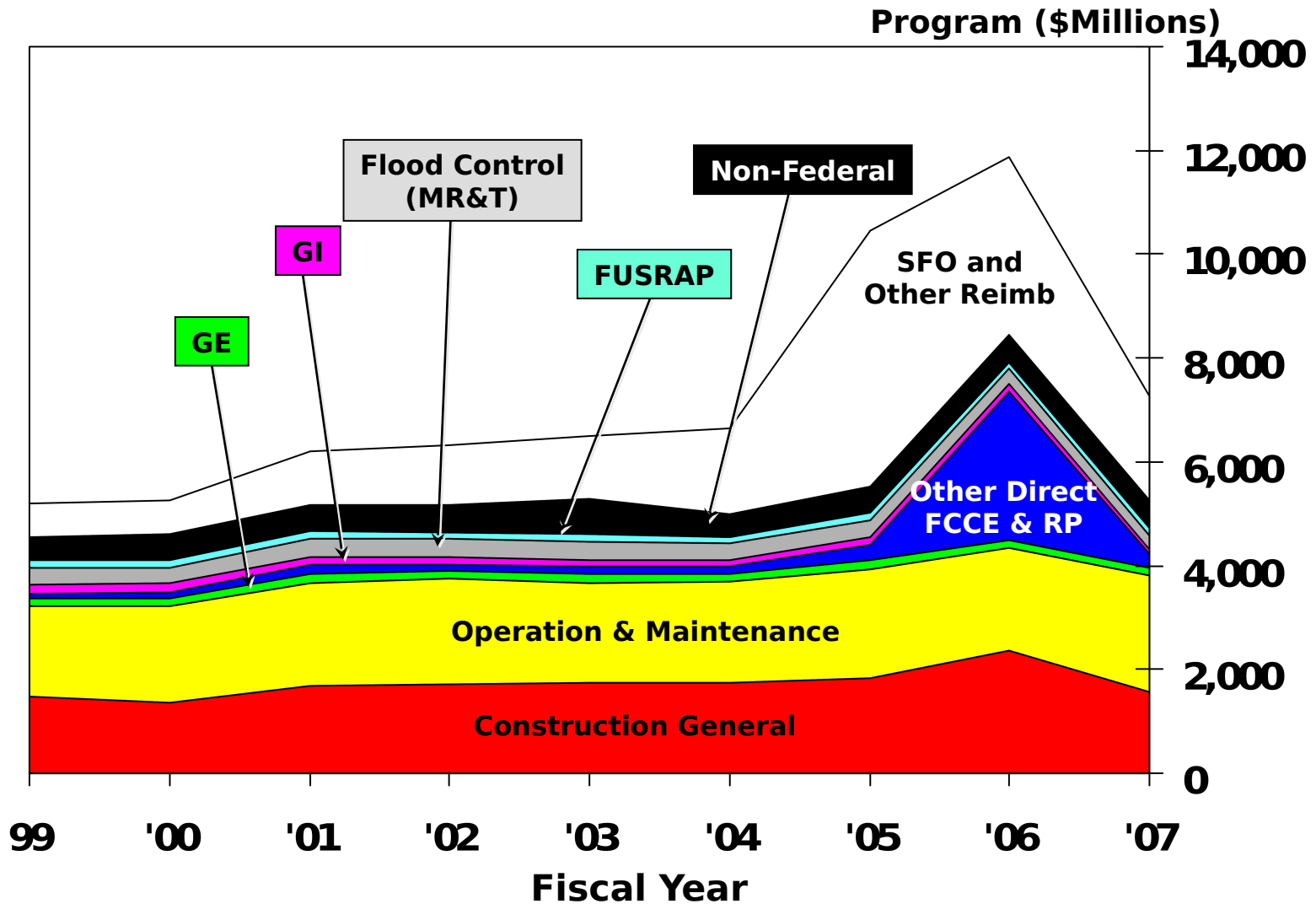
FY 99-07





Civil Works Program Trends

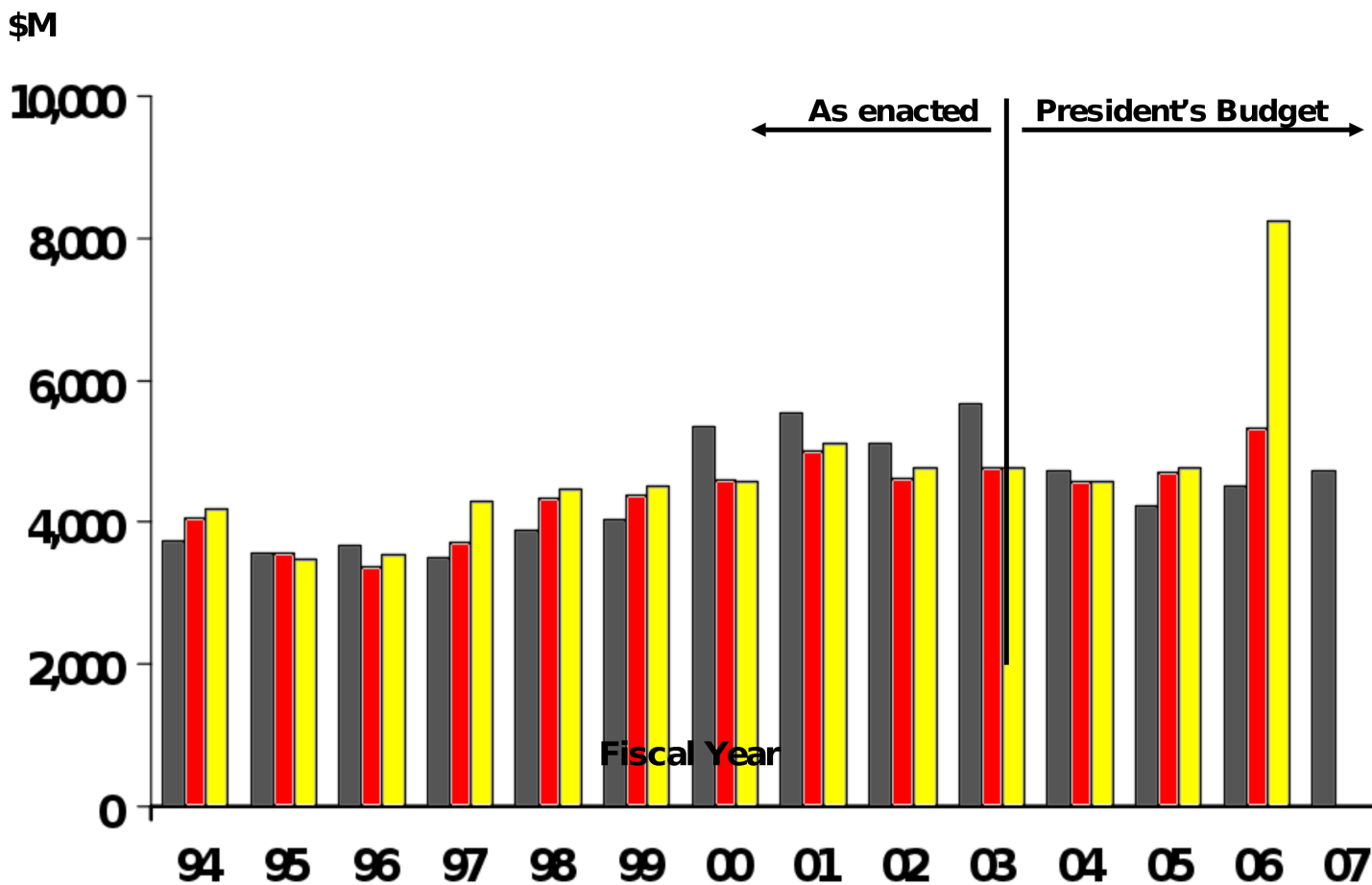
FY 99-07





USACE Civil Works Funding Profile

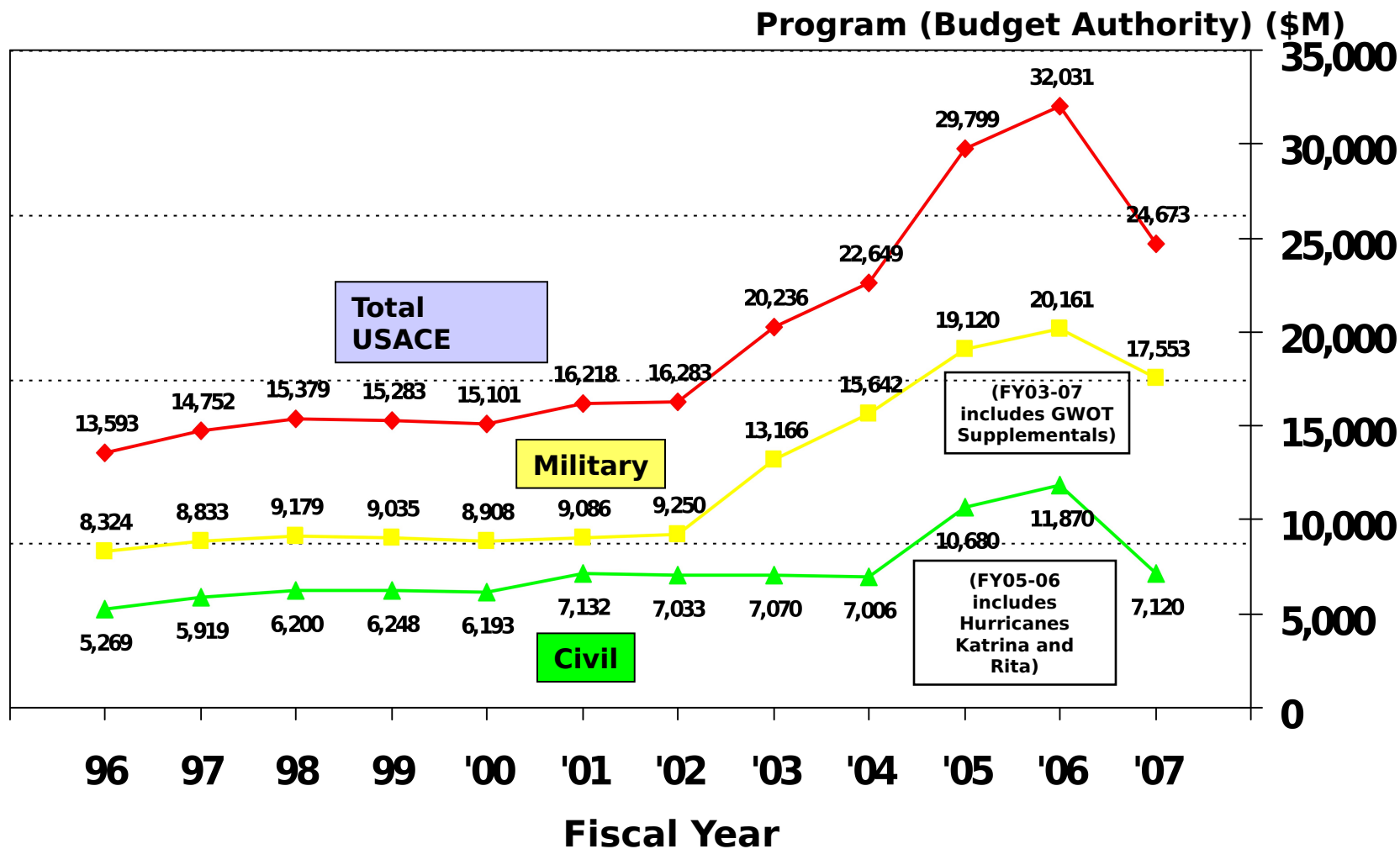
FY 94-11





USACE Program Trends

FY 96-07





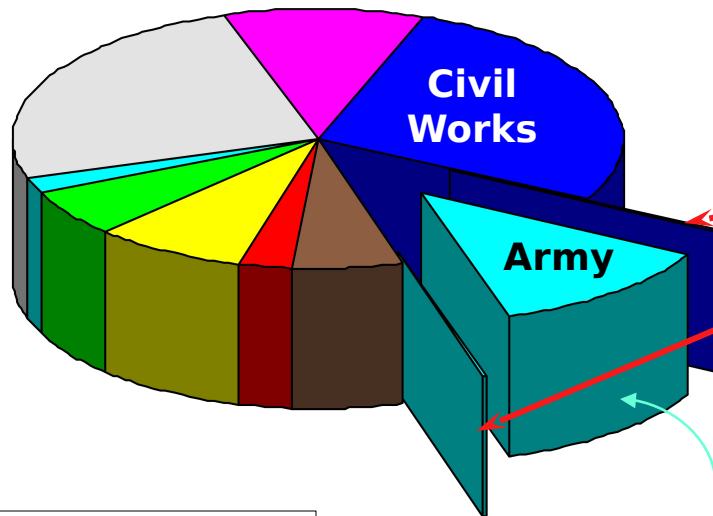
FY06 USACE Directed Program



**Directed by
other than AR2B**

USACE Operating Funds

- HQUSACE + FOAs
- 9 Division HQs



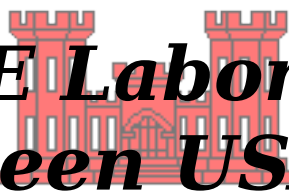
\$162 M GE
\$ 97 M OMA
\$259 Million

- GWOT
- Support for Others (EPA, DOE, etc)
- Civil Works
- Army Direct
- Army Reimbursable
- Host Nation, NATO, etc
- Air Force
- DOD Agencies
- Foreign Military Sales

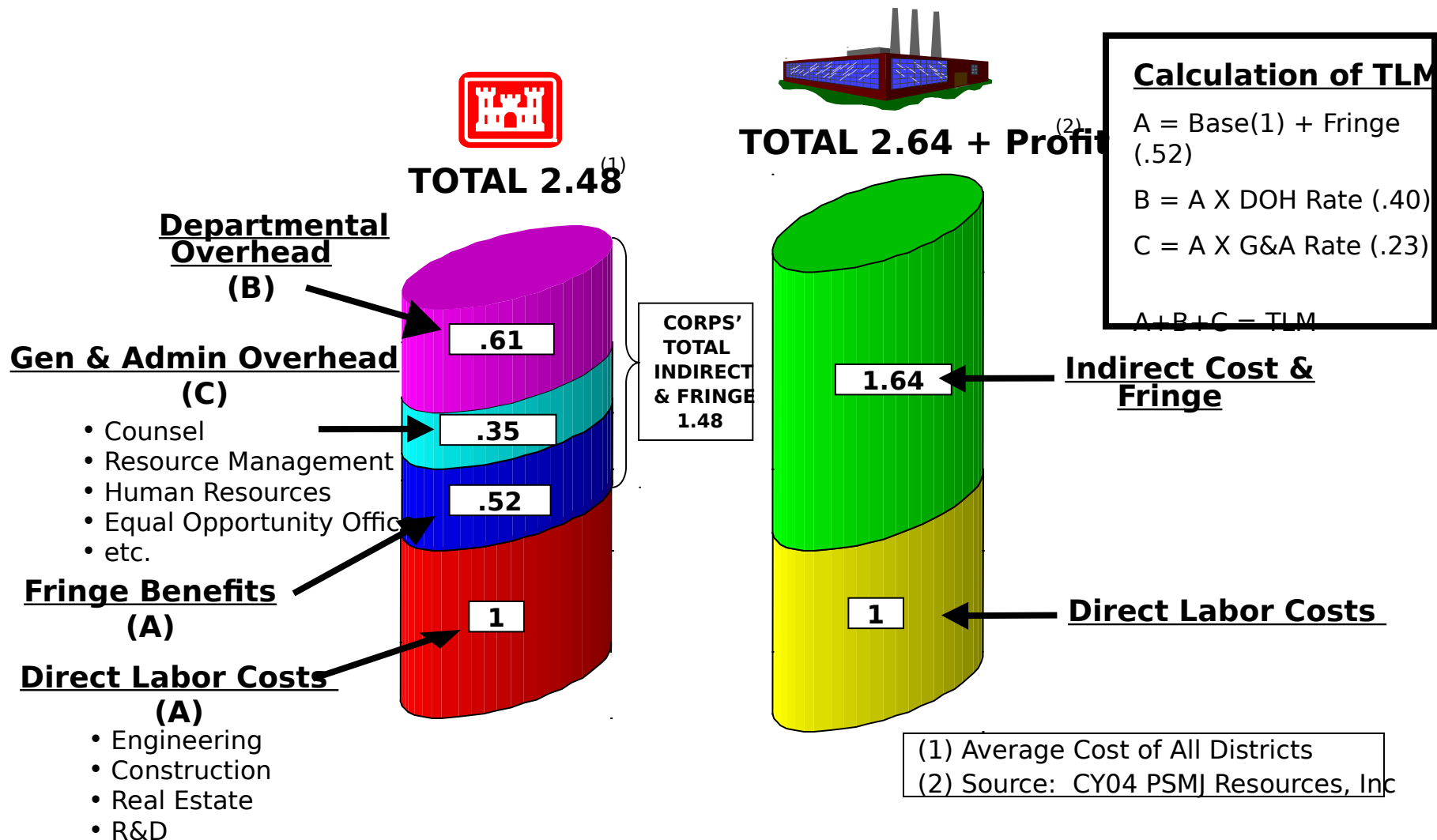
Army Requirements and Resources Board (AR2B)

Directed (11%)
MCA, BRAC, AFH, RDT&E
OMA (DERP, RE)

\$12 B - Civil
\$20 B - Military
\$32 B - Total



USACE Labor Costs Comparison between USACE and Industry



Total Labor Multiplier (TLM) Comparison 22



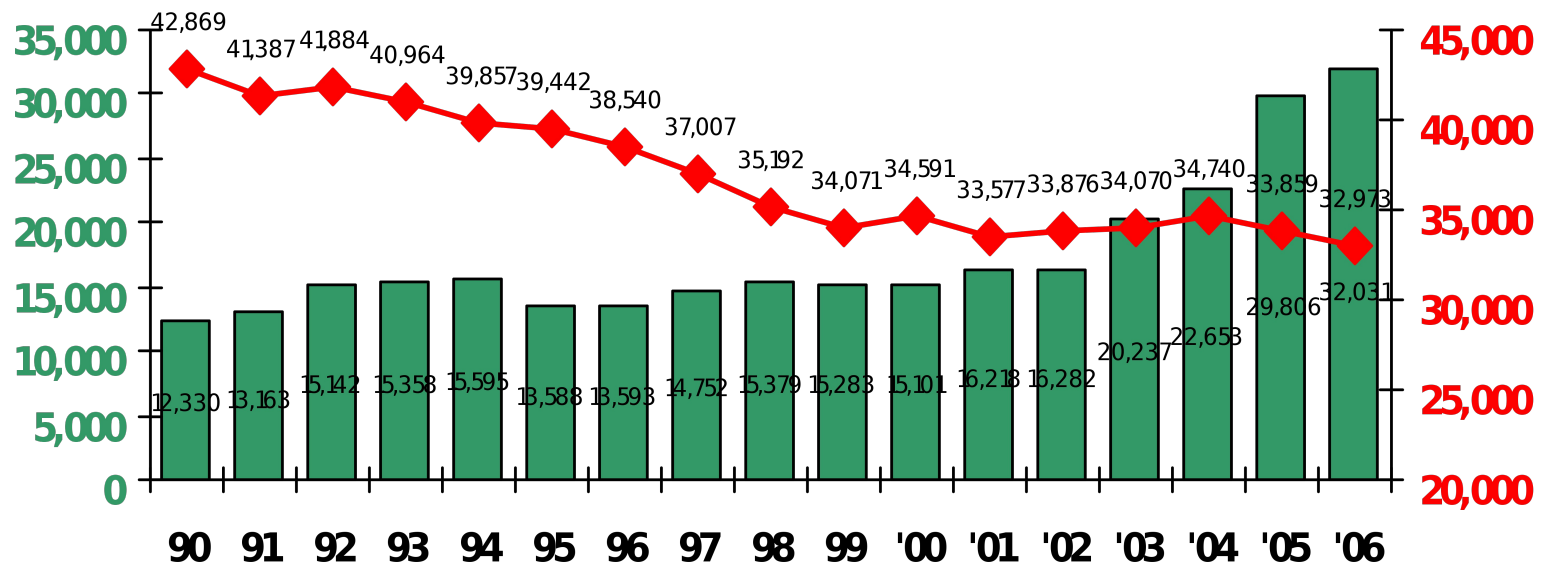
USACE Program Trends and FTEs

**FY 90-
06**



Program (Budget Authority) *
(\$ Millions) **

USACE FTEs ***



Program Dollars — FTE Utilization

* Includes Military, Civil, and SFO
** FY06 Constant Dollars
*** FY90-05 - FTE Utilization; FY06 Projected Utilization

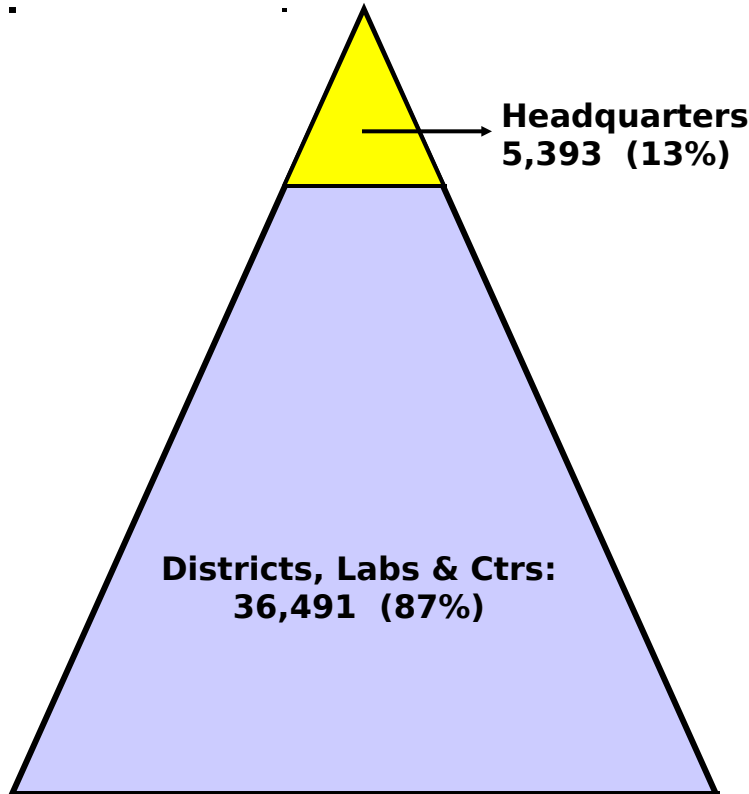
Jul 06



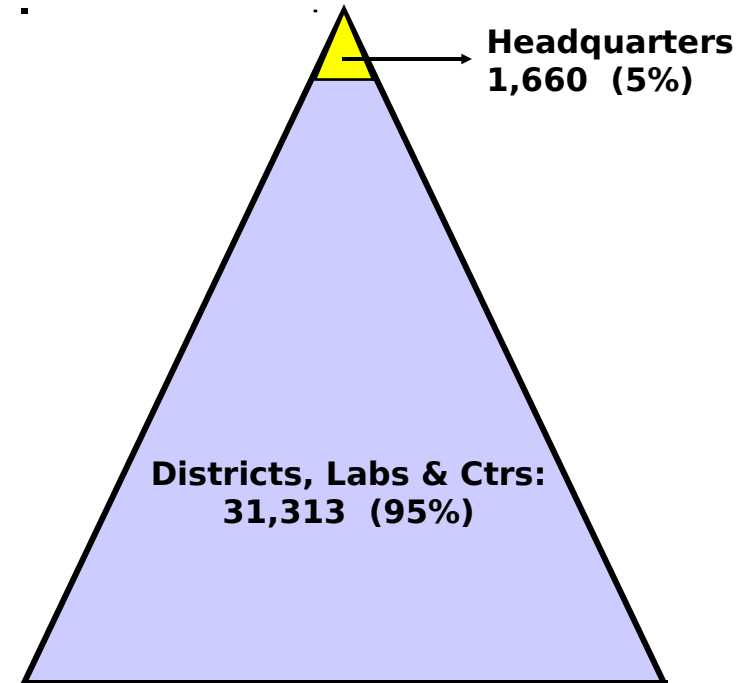
Distribution of USACE Funded Manpower (FTEs)



FY92 vs FY06



FY92 - 41,884 FTE



FY06 - 32,973 FTE



Support to the Army and the Nation

Leveraging Technical Engineer Capabilities



Tactical Military Hydrology



Contingency Airfields



Utility Assessment and Repair



Cold Regions Theater of Operations Engineering



Base Camp Construction, Protection & Survivability



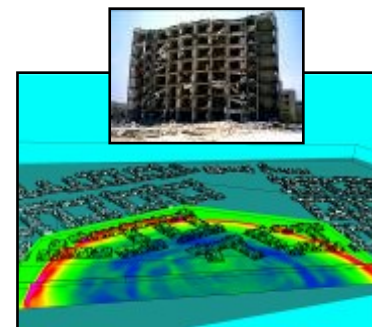
Rapid Mapping Logistics Over the Shore



Bridge Assessment and Repair



Force Protection

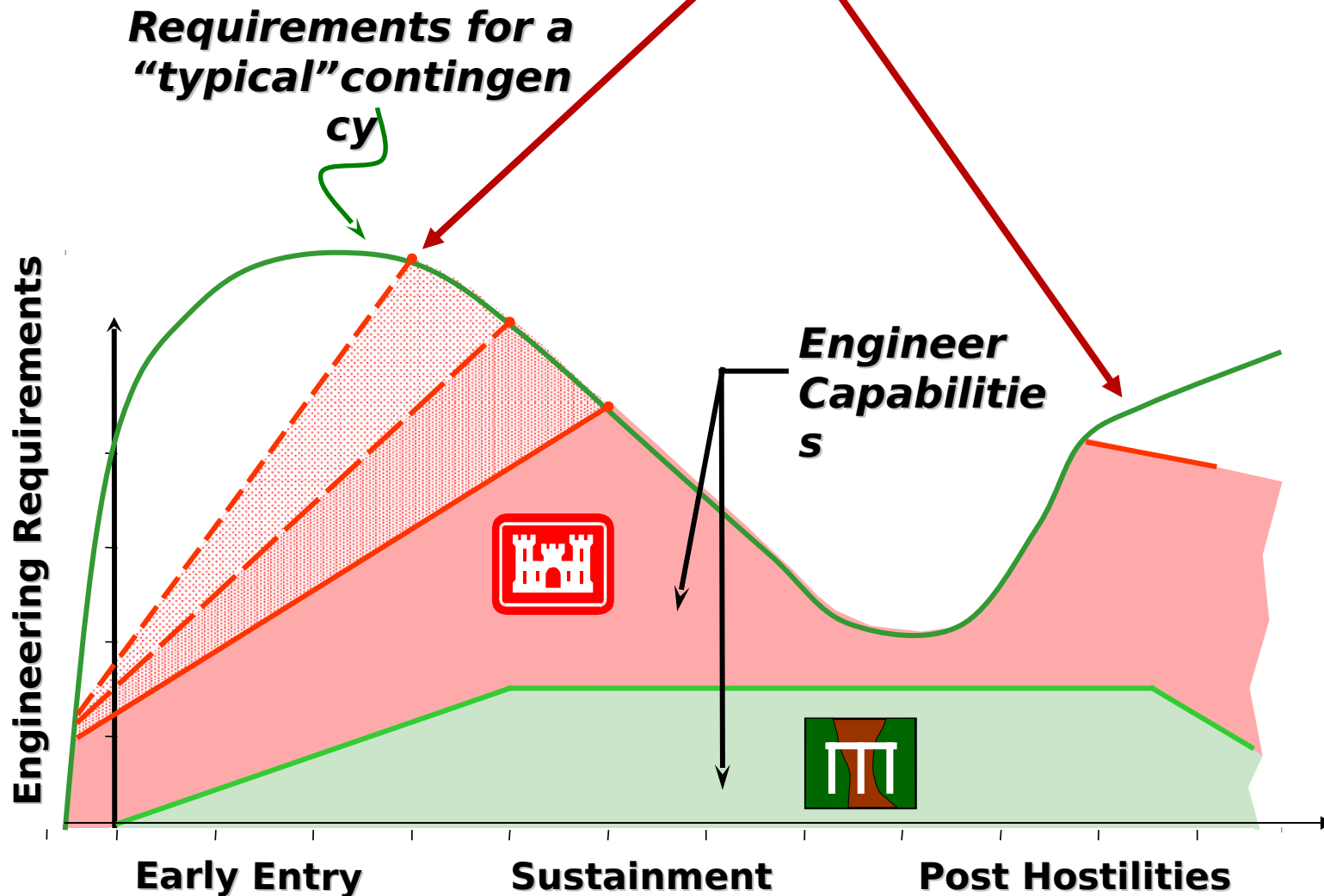




Support to the Warfighter

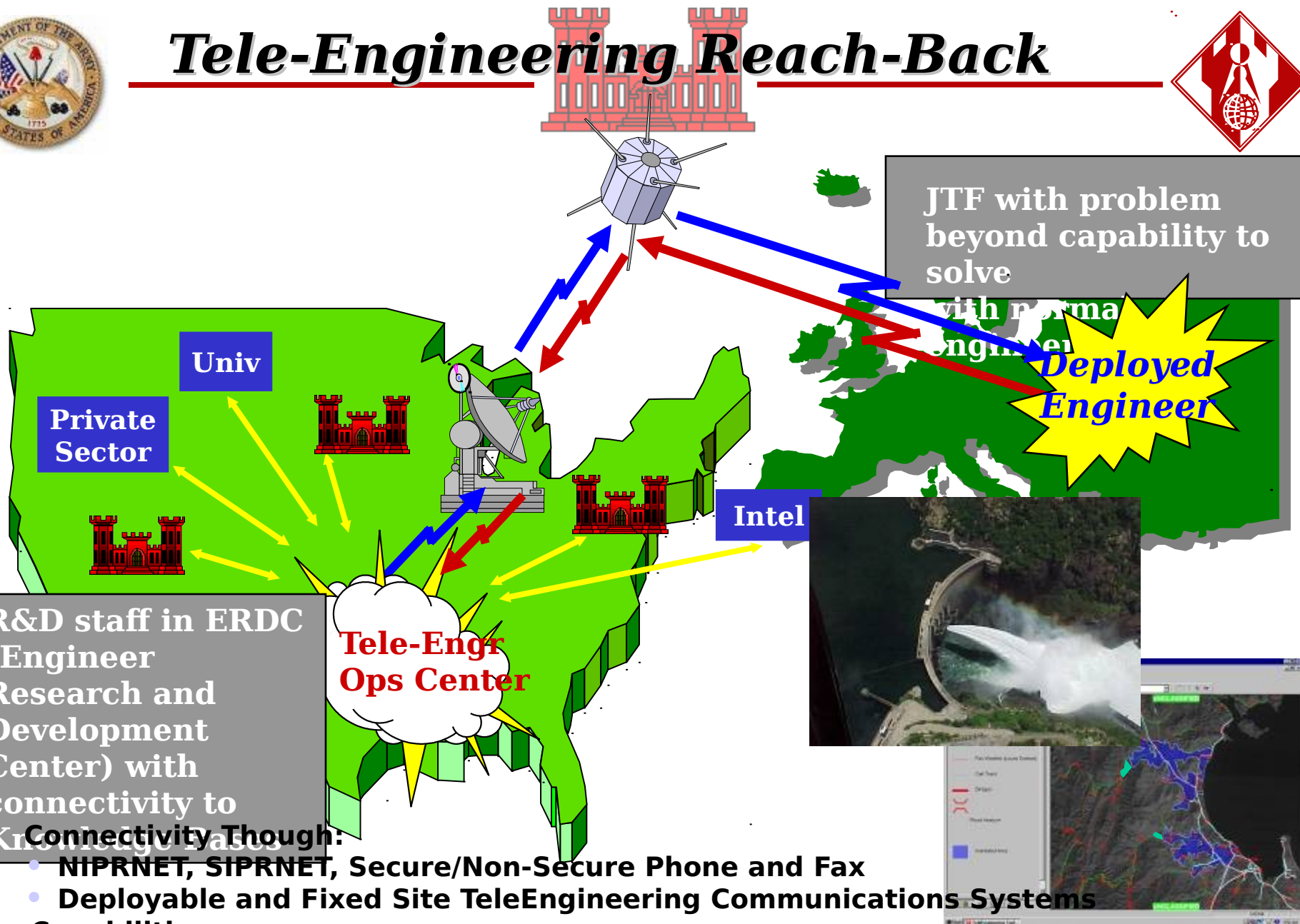


The Challenge: Meet the Curve





Tele-Engineering Reach-Back



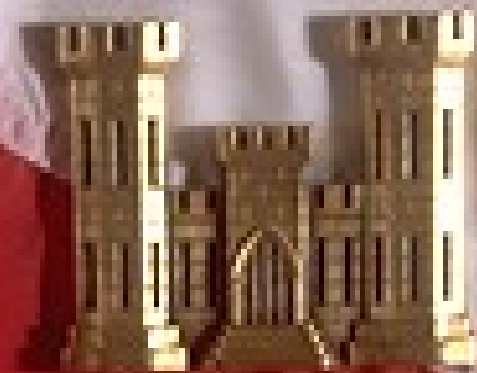
R&D staff in ERDC (Engineer Research and Development Center) with connectivity to Knowledge Bases

- NIPRNET, SIPRNET, Secure/Non-Secure Phone and Fax
- Deployable and Fixed Site TeleEngineering Communications Systems

Capabilities:

- Technical assessments of structures, utilities, dams, routes, bridges, airfields, force
- Real estate, designs, environmental baseline, geospatial info, water resources, plan

***The U.S. Army Corps of Engineers
-
Pacific Ocean Division***



***Command Brief as of
January 2009***



Pacific Ocean Division Mission



Deliver World-Class Quality, Environmentally Sustainable Engineering Facilities and Services for our Customers Safely, On Time and Within Budget

- **Design and Construction Agent** for DoD, the Army and Air Force in Alaska & Hawaii, and for all Services in Japan, Korea and Kwajalein
- Manage the **Federal Water Resources** Development Program in Alaska, Hawaii, Guam, American Samoa, CNMI
- Conduct **Environmental** Restoration and Remediation
- Execute **Emergency Response and Disaster Relief** in support of Federal Authorities
- Provide **Contingency Response** in support of the Army's War-fighting mission
- Provide Field Force Engineering **Support to PACOM** and Subordinate Commands
- Implement Army and USACE **Business Transformation** Initiatives



Pacific Ocean Division



Personnel

1,655 Employees

- 28 Military
- 1225 US Civilian
- 249 Korean Nat.
- 153 Japanese Nat.

Program (cost):

\$2.3 Billion FY06

- \$1.3 Billion - Military Programs
- \$874 Million - Host Nation
- \$147 Million - Civil Works/IIS



BG Mark W. Yenter

Alas



COL Kevin



Hawaii



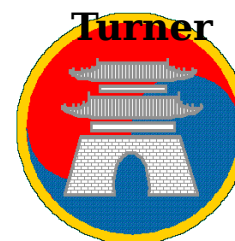
LTC Jon Chytka



Kore



COL Clarence



Japa

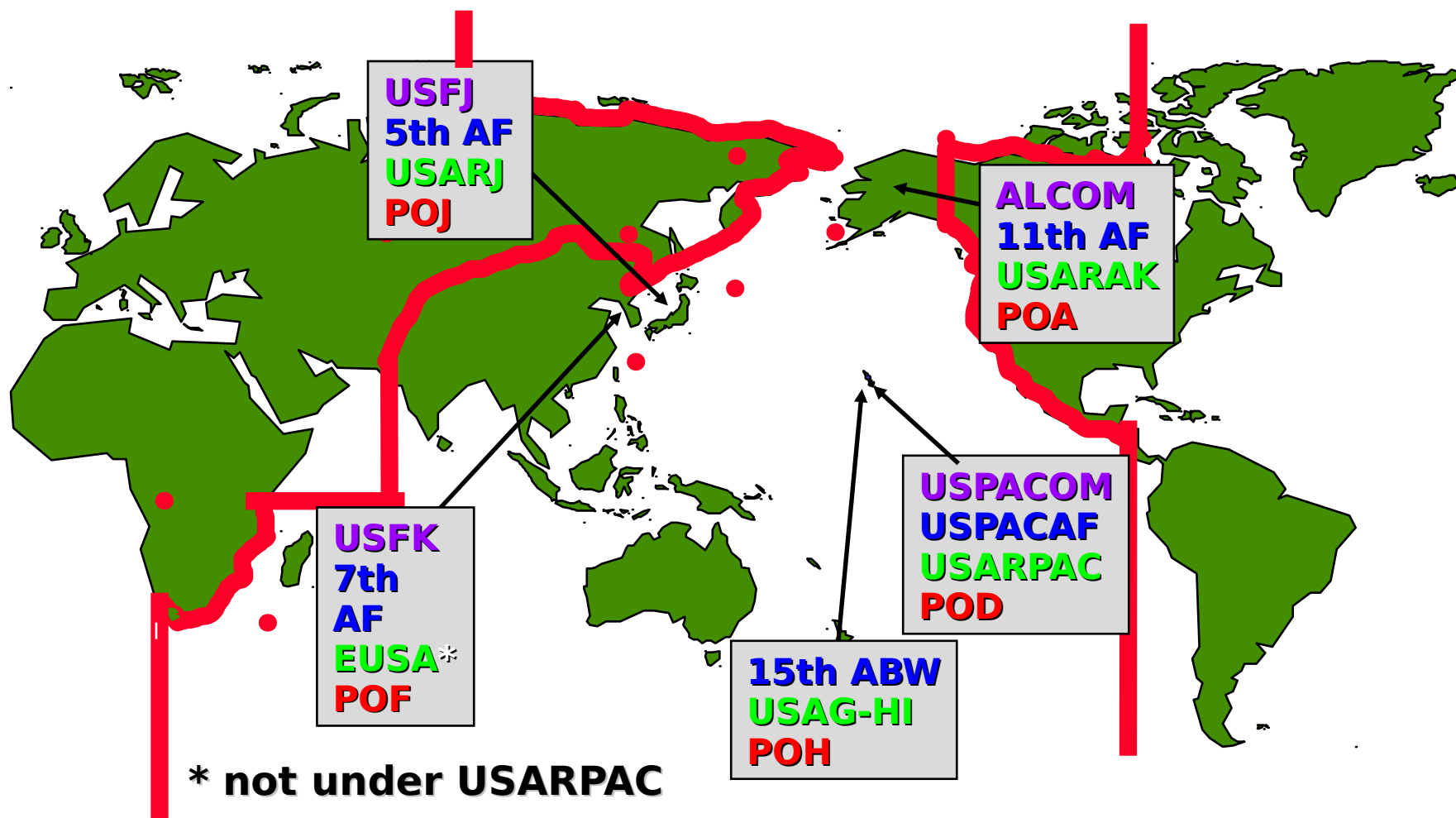


COL Lawrence





POD Area of Operations





Our Military Customers



PACOM



**USF
K**



PACAF



PACFLT



**USARPA
C**



USARHAW



USARJ



USARAK



ADM Keating, GEN Sharp, GEN Chandler, ADM Willard, LTG Mixon, BG Bednarek, BG Wiercinskis.



Our Federal, State, and Other Customers



Inouye, Akaka, Murkowski, Stevens, Murkowski, Lingle, Camacho, Tulafono, Fitiafili, Abercrombie, Hirono, Bordallo, Faleomavaega, USG Support to Other Nations (e.g., Palau, Sri Lanka, Indonesia, Philippines)



Military Construction



Alaska

- Army Transformation, Alaska
- C-17 Beddown, Elmendorf AFB
- F-22 Beddown, Elmendorf AFB

Hawaii

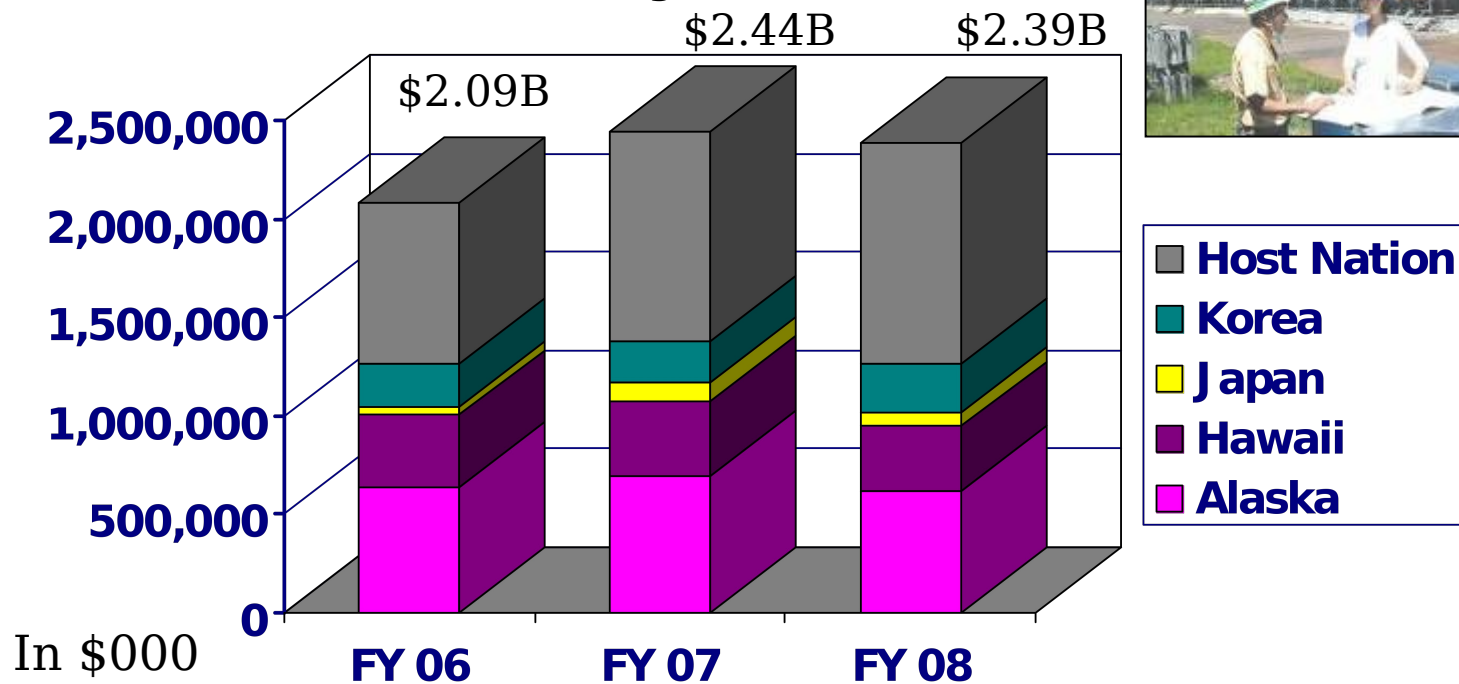
- Army Transformation, Hawaii
- C-17 Beddown, Hickam

Japan

- FBX-T Radar
- Yokosuka Wharf Expansion

Korea

- Peninsula Relocation Program





Civil Works



Alaska

- Harbor Maintenance, Anchorage

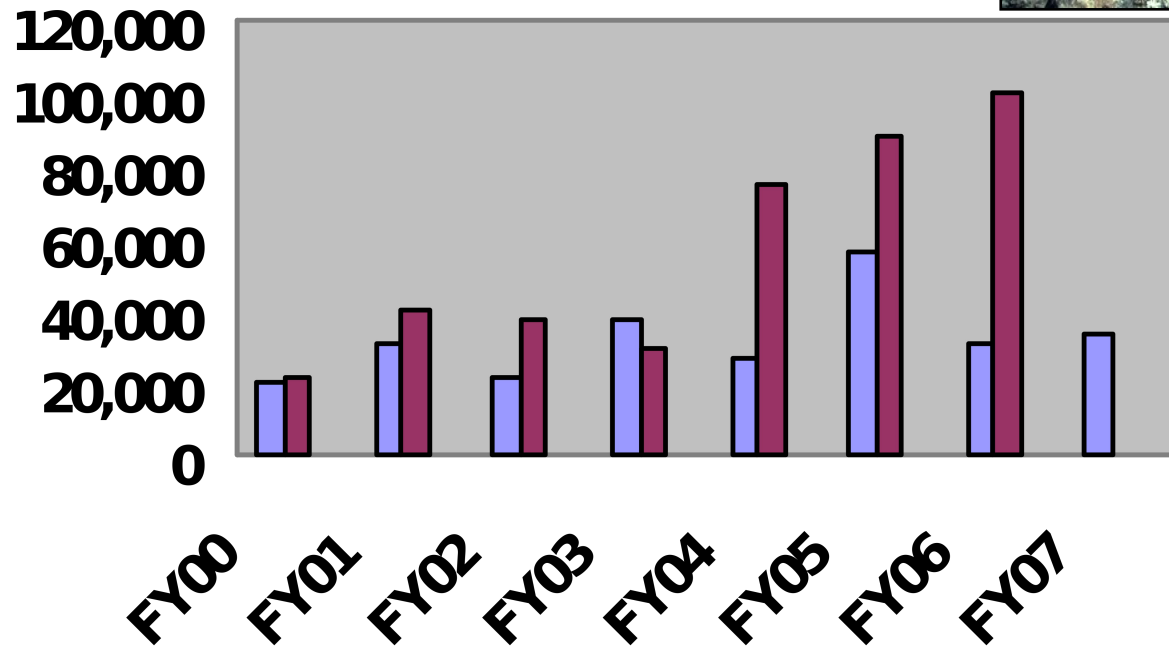


Hawaii

- Ala Wai Canal Watershed Study, Oahu
- Kaunalapau Harbor, Lanai



\$
Thousands





Formerly Used Defense Sites (FUDS)



- **Army is FUDS Executive Agent for DoD**
- **Corps of Engrs is Executing Agency for the Army**
- **Program Goals:**

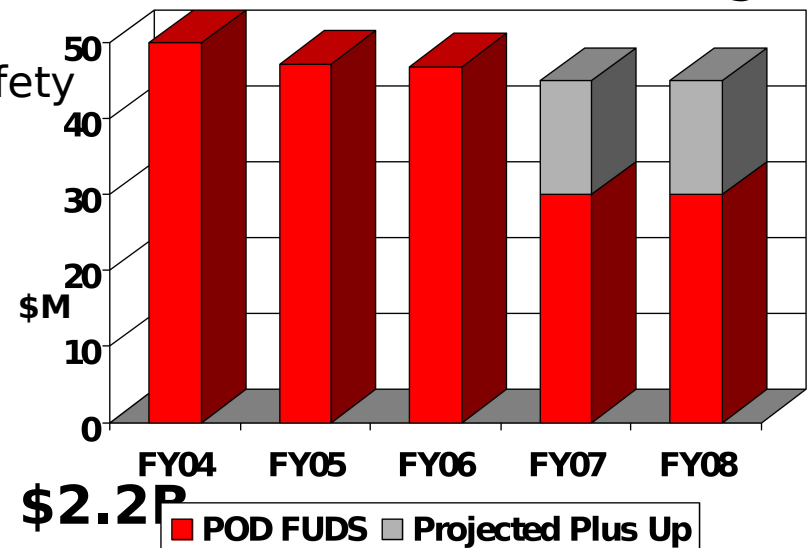
- Address imminent threats to Health/Safety
- Risk based approach
- Complete cleanup of Hazardous Toxic Radioactive Waste (HTRW) by 2020
- Complete site investigations for all Military Munitions Response Program projects by 2010

- **POD Cost-to-Complete (CTC) = \$2.2P**

- **FY06 POD FUDS include:**

- Waikoloa, Hawaii (11.6M)
- Hoonah RRS, Alaska (\$4.4M)
- Kodiak Island, Alaska (\$3.6M)
- Cold Bay ACS, Alaska (\$2.4M)
- Kodiak Island (Drury Gulch), Alaska (\$1.9M)

POD FUDS Funding





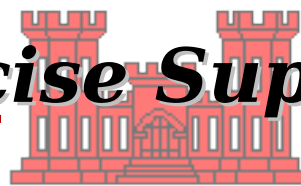
Field Force Engineering (FFE)



- **Program uses full capability of Engineer Regiment to include U.S. Army Corps of Engineer technical capabilities**
 - Deployable FESTs (Forward Engineer Support Team); USACE has 9 (2 in POD) but expanding to 27 for world-wide support
 - FESTs reachback to USACE Engineer Divisions, Districts, Labs, Centers, and Centers of Expertise across the U.S.
 - Assisted by Forward-based LNOs - PACOM, USFK, I Corps, III MEF
- **Division alignments - POD in Direct Support to PACOM**
 - POD supports PACOM GWOT, Contingencies, PLANs, Theater Security Cooperation and Exercises



Exercise Support



- **POD Support to Theater Security Cooperation**

- Australia - Working with Australia Defense Force on cooperative development of an expedient airfield for future joint/combined training
- Mongolia - Scope development for Peacekeeping Training Center
- Vietnam, Bangladesh and Laos - Medical clinics and schools support to USARPAC
- Support to OSD and War College with Military Civilian Disaster Preparedness conferences in South and SE Asia
- POD supports PACOM J34 CIP program in Public Works Sector

- **POD Support to PACOM Exercises**

- Keen Edge/Yama Sakura (Japan)
- RSO&I (Korea)
- Cobra Gold (Thailand)
- UFL (Korea)
- Corps Warfighter (NTC)
- Terminal Fury (Hawaii, Japan, etc)
- Talisman Saber (Australia)
- Exercise - Cold Weather Response - Alaska

LNO, FEST-A

FEST-A

FEST-A, FEST-M, BDT

FEST-A

LNOs, FEST-A

LNO, ERDC JRAC Airfield



Contingency Support



- **Support to GWOT - OEF-P**

- Assessment and repair of roads and wells in Southern RP

- **South Asia Tsunami Response/Recovery**

- Deployed LNOs and 3 FESTS to assess damaged roads, wells, facilities and recommend repairs
- Follow on reconstruction is support of USAID - Scoped development for \$35M in projects in Sri Lanka and \$230M in road and bridge improvements in Indonesia

- **POD is a Force Provider for GWOT and Natural Disasters worldwide**

- Support to GWOT in Iraq and Afghanistan (CY05): 70 personnel
- Support natural disasters (Hurricane Katrina, etc.): 117 personnel





Civil Emergency Management



USACE Civil Authorities

- **Flood Control and Coastal Emergencies**
 - Rehabilitation of Damaged Flood Control Works
- **National Emergency Preparedness Program**
 - Catastrophic Disaster Response Planning
 - Honolulu Hurricane
 - Alaska Cold Weather Earthquake
- **National Response Plan - ESF #3 (Public Works & Engineering)**



Support to the Warfighter **Leveraging the Regiment**



"I am firmly convinced that but for the existence of the Corps of Engineers' peacetime organization and its resources of men, methods, training and supply, and its close association with the military through the years, the history of the Pacific area in World War II would have been written more in blood than in achievement."



The Pacific Ocean Division **Our Most Important** **Customers**

